

Fig. 1

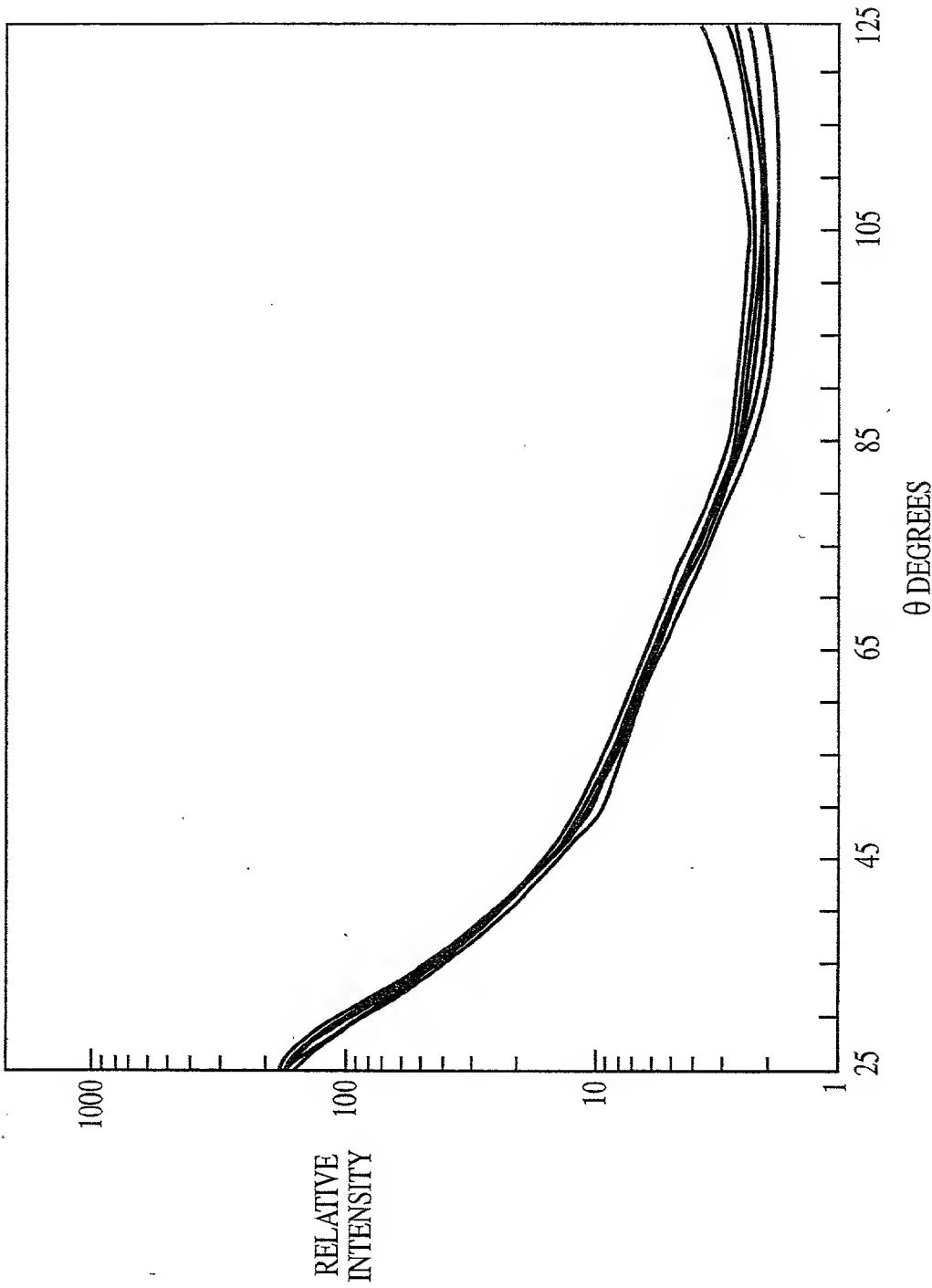


Fig. 2

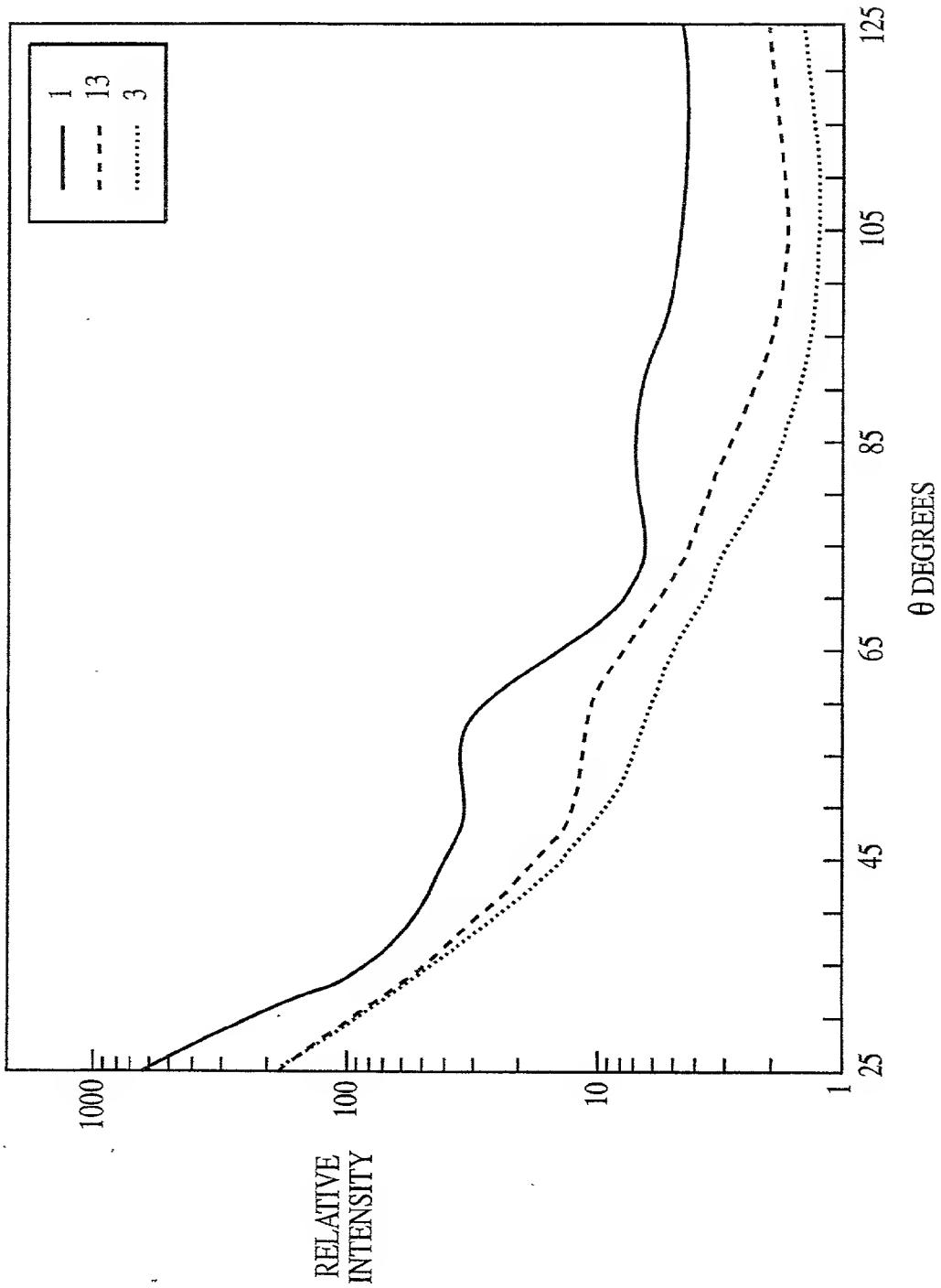


Fig. 3

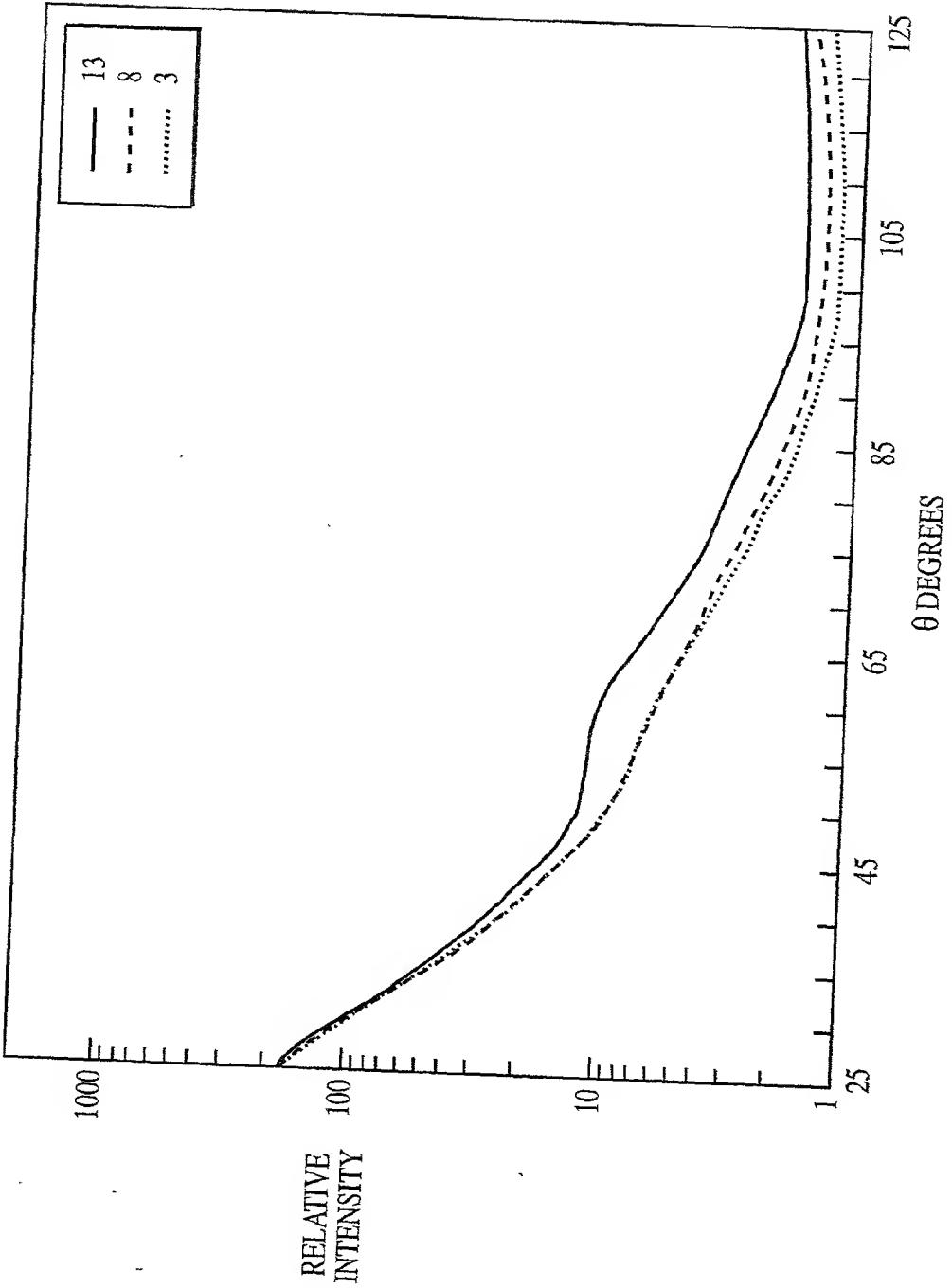


Fig. 4

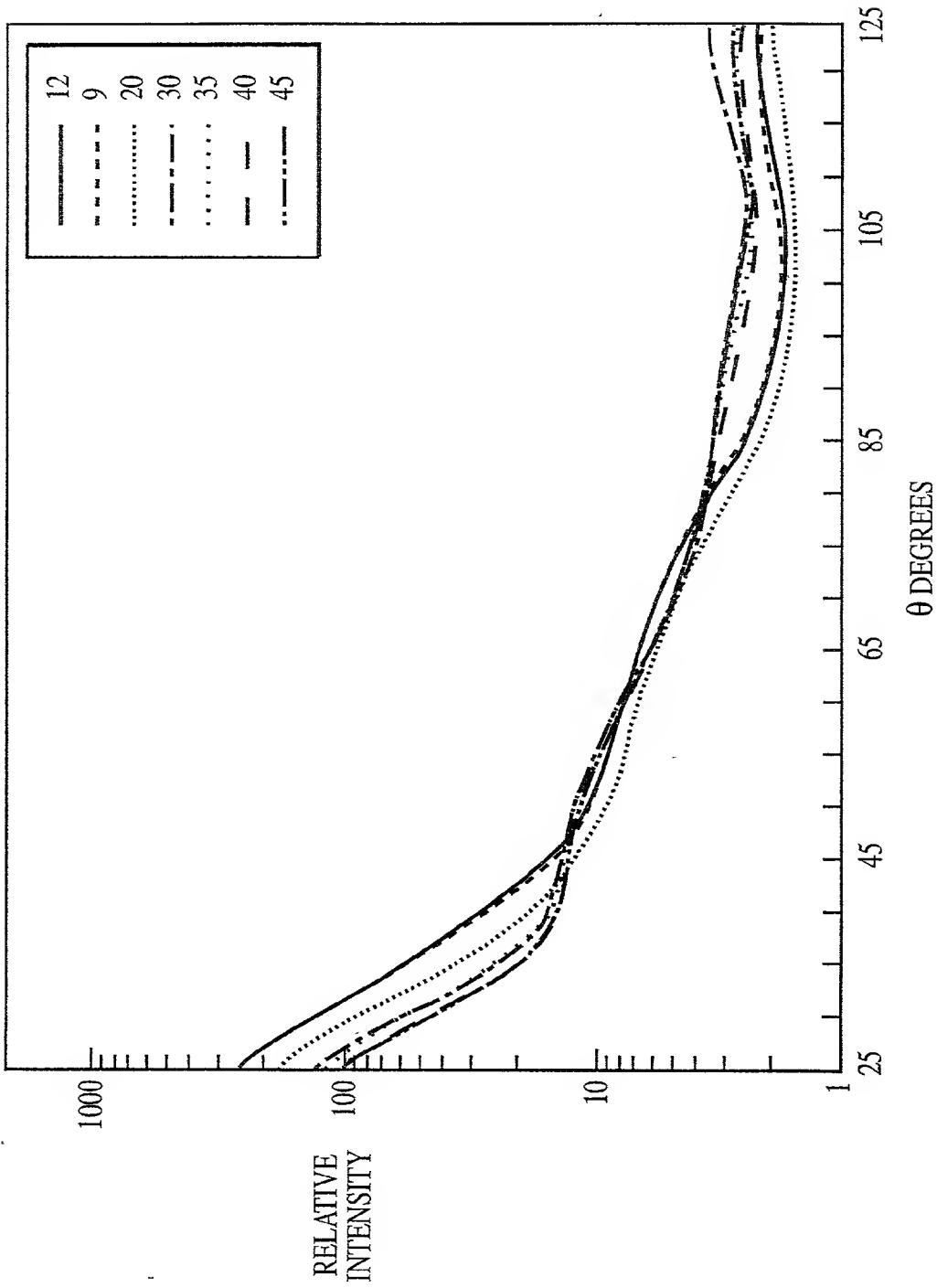


Fig. 5

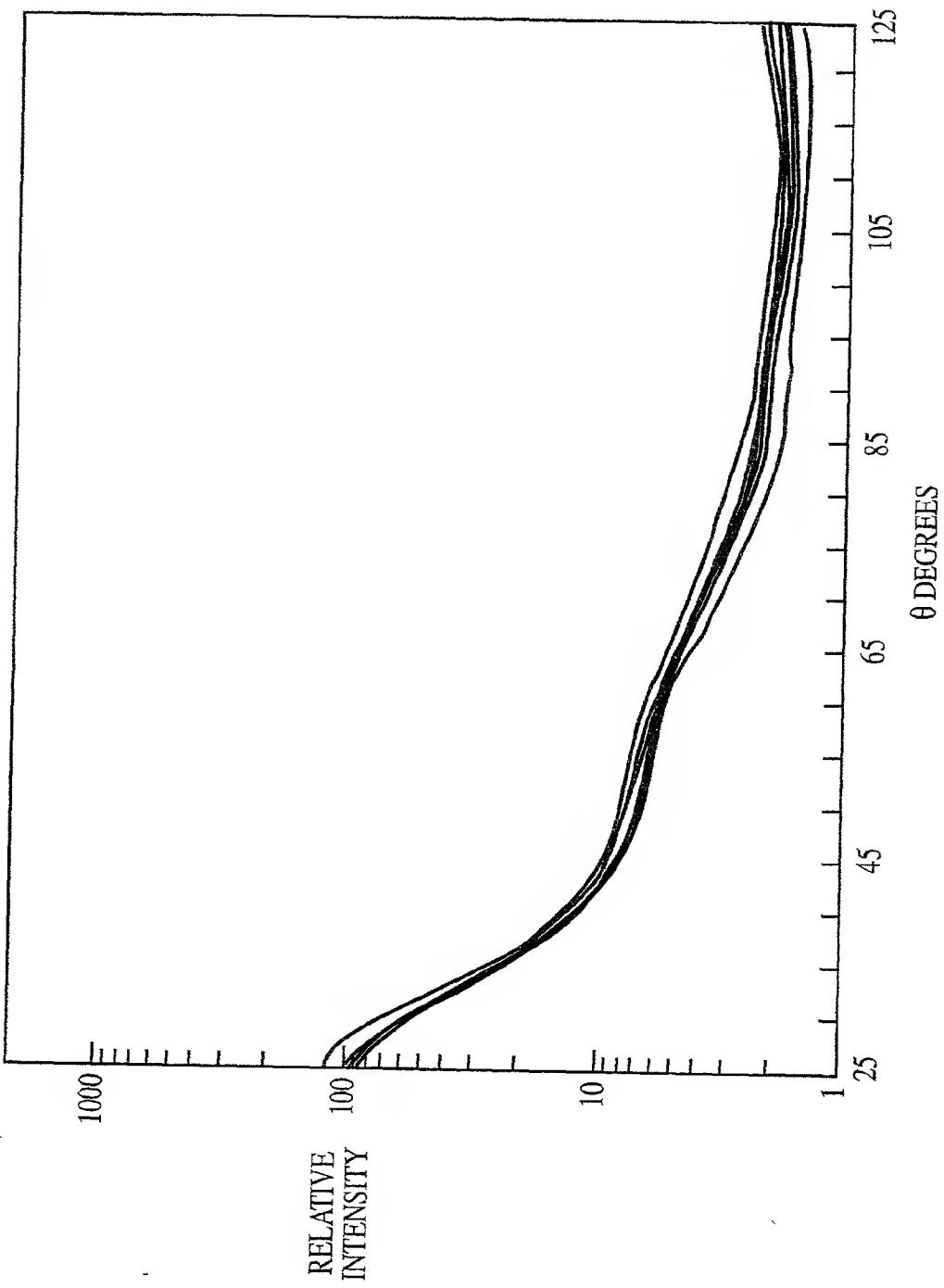


Fig. 6

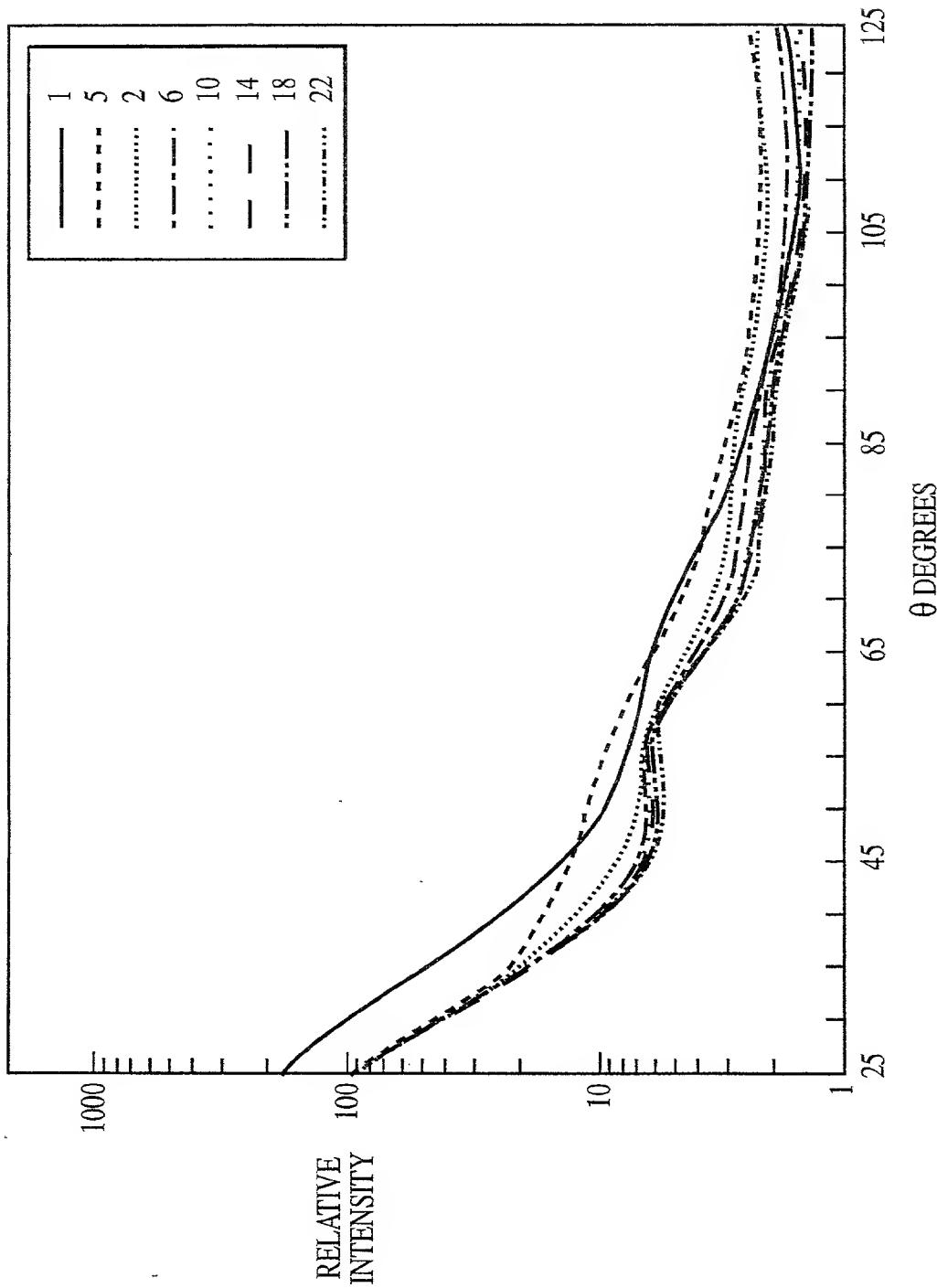


Fig. 7

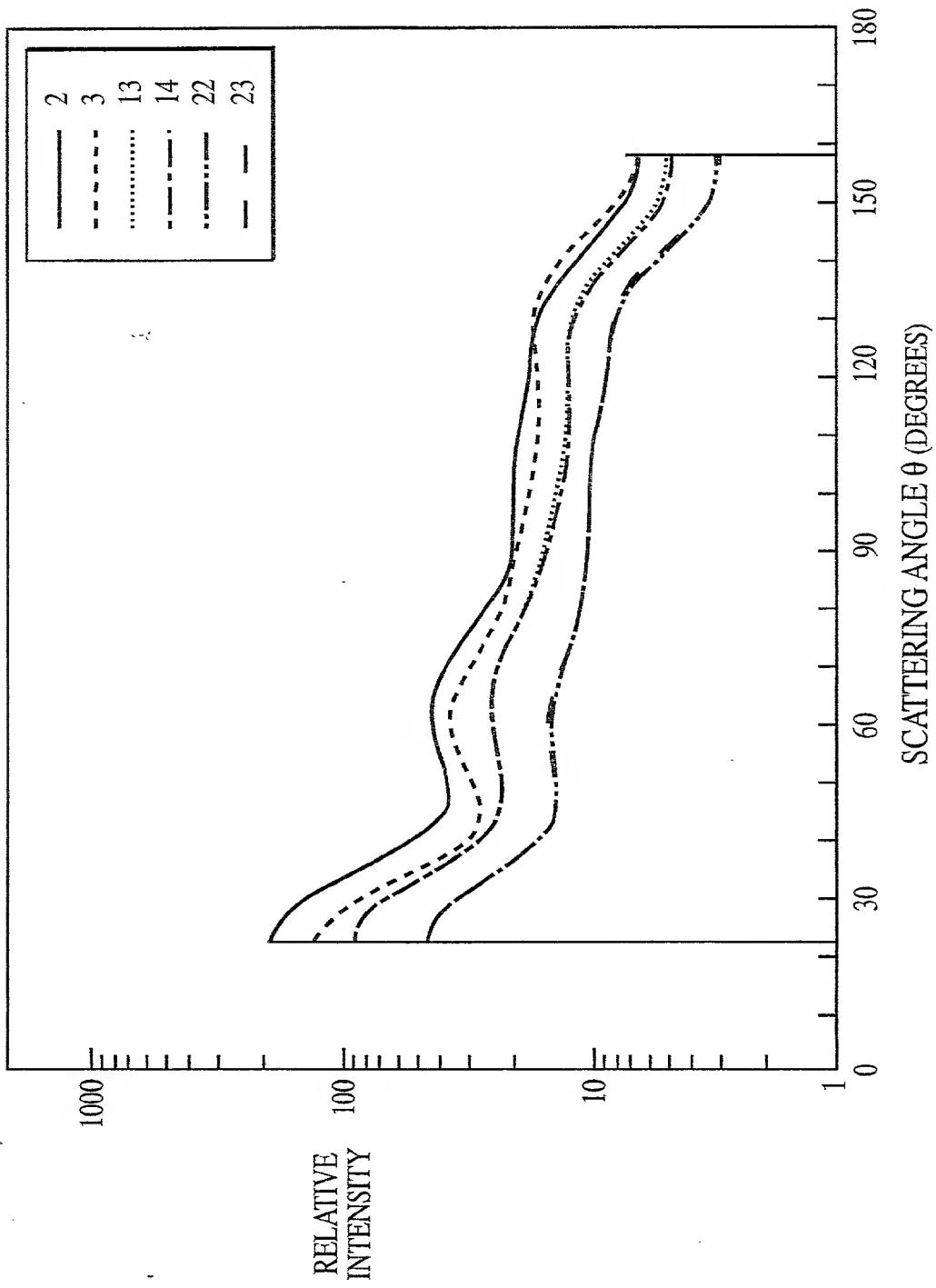


Fig. 8A

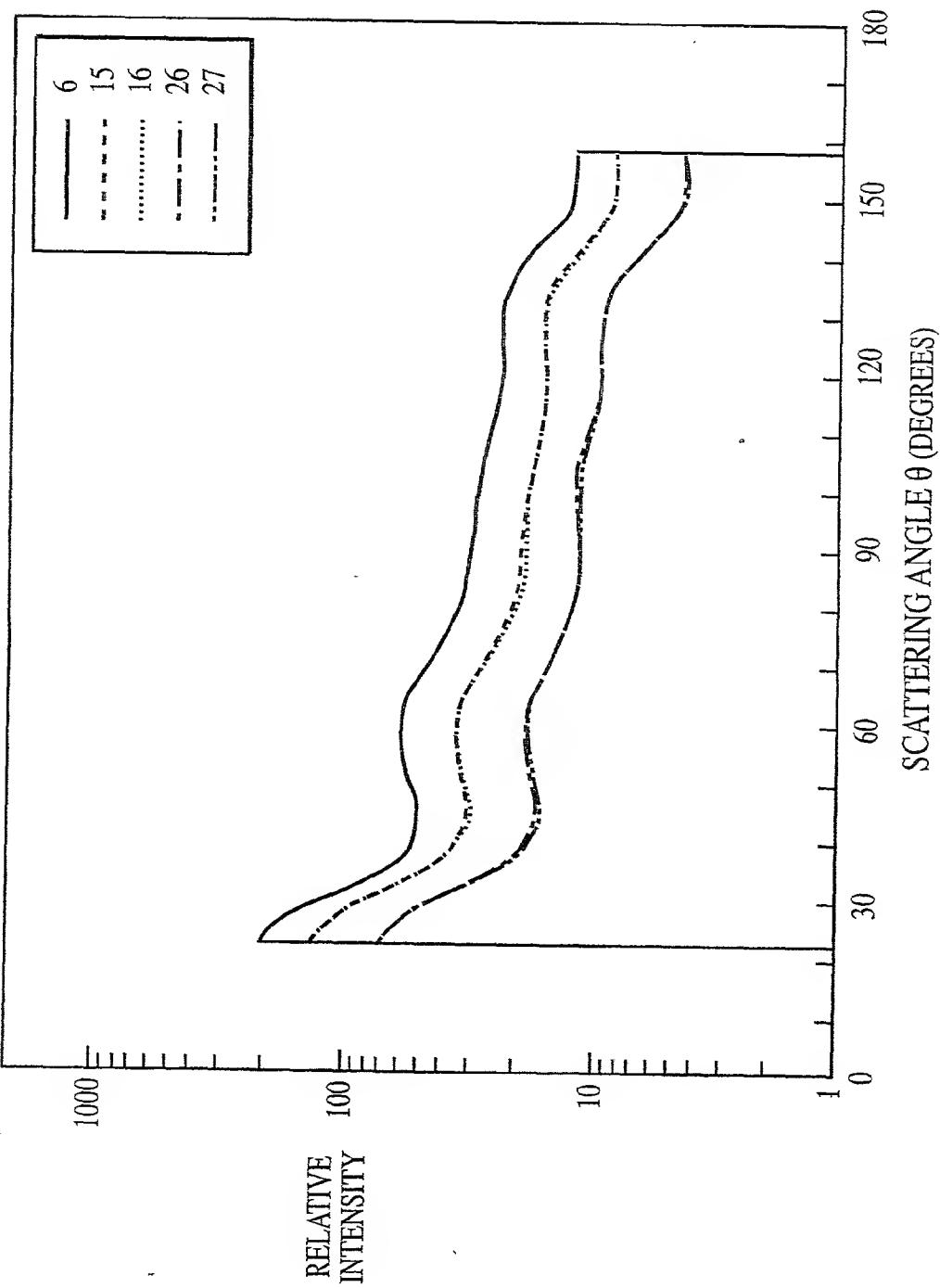


Fig. 8B

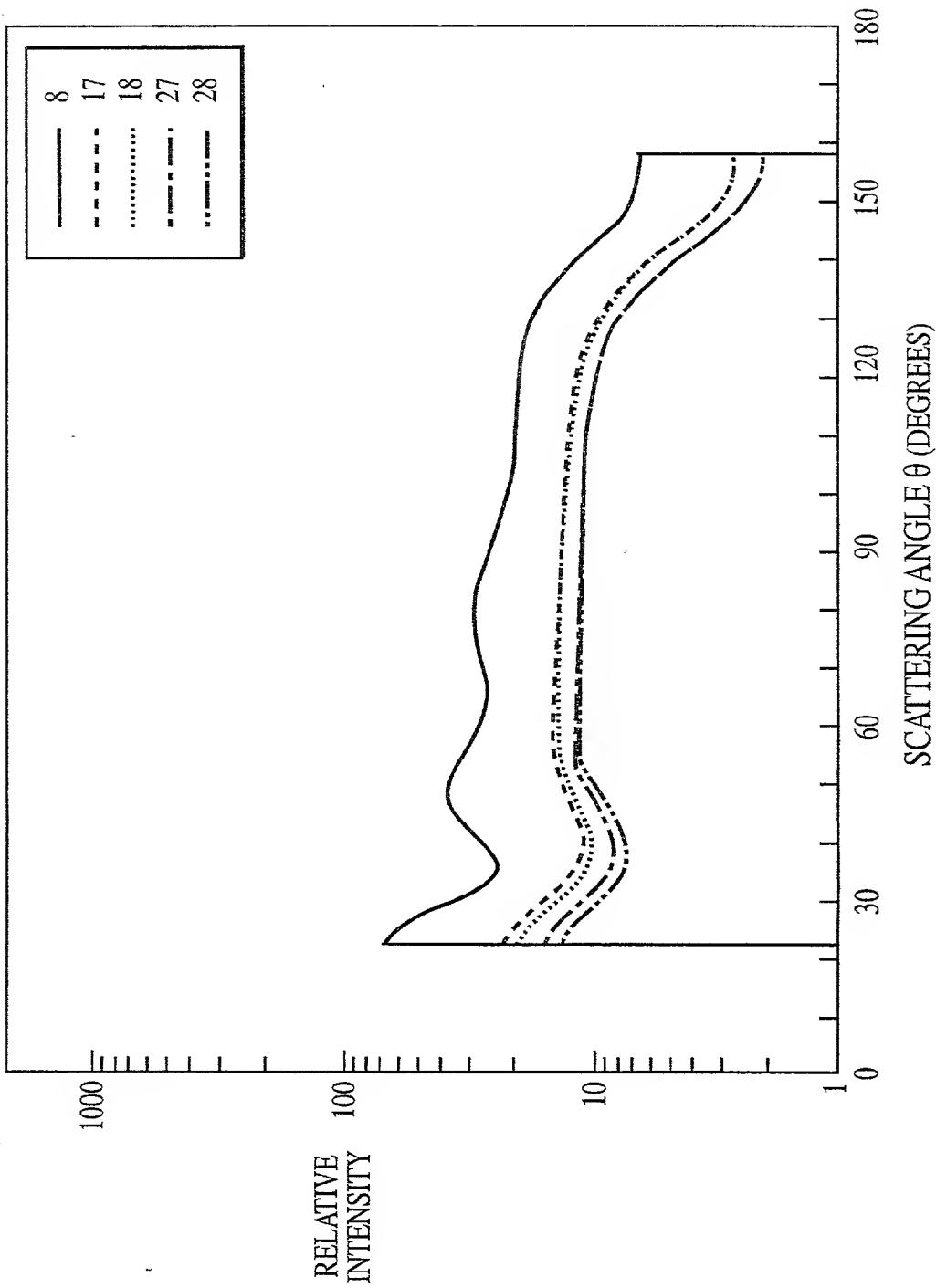


Fig. 8C

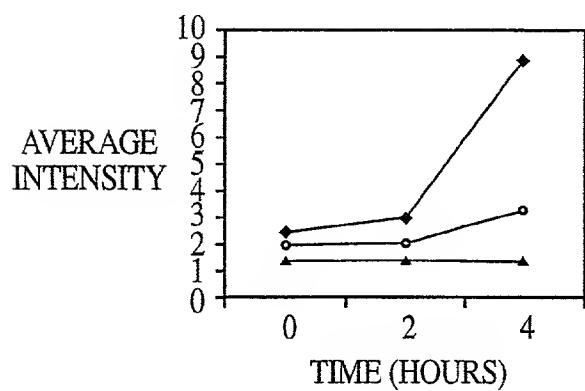


Fig. 9A

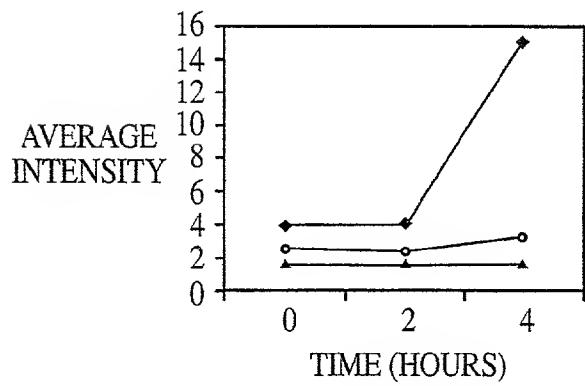


Fig. 9B

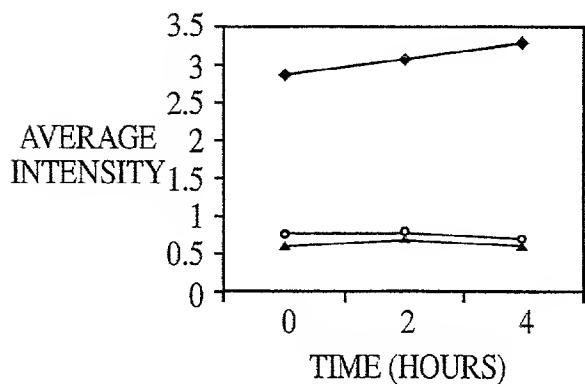


Fig. 9C

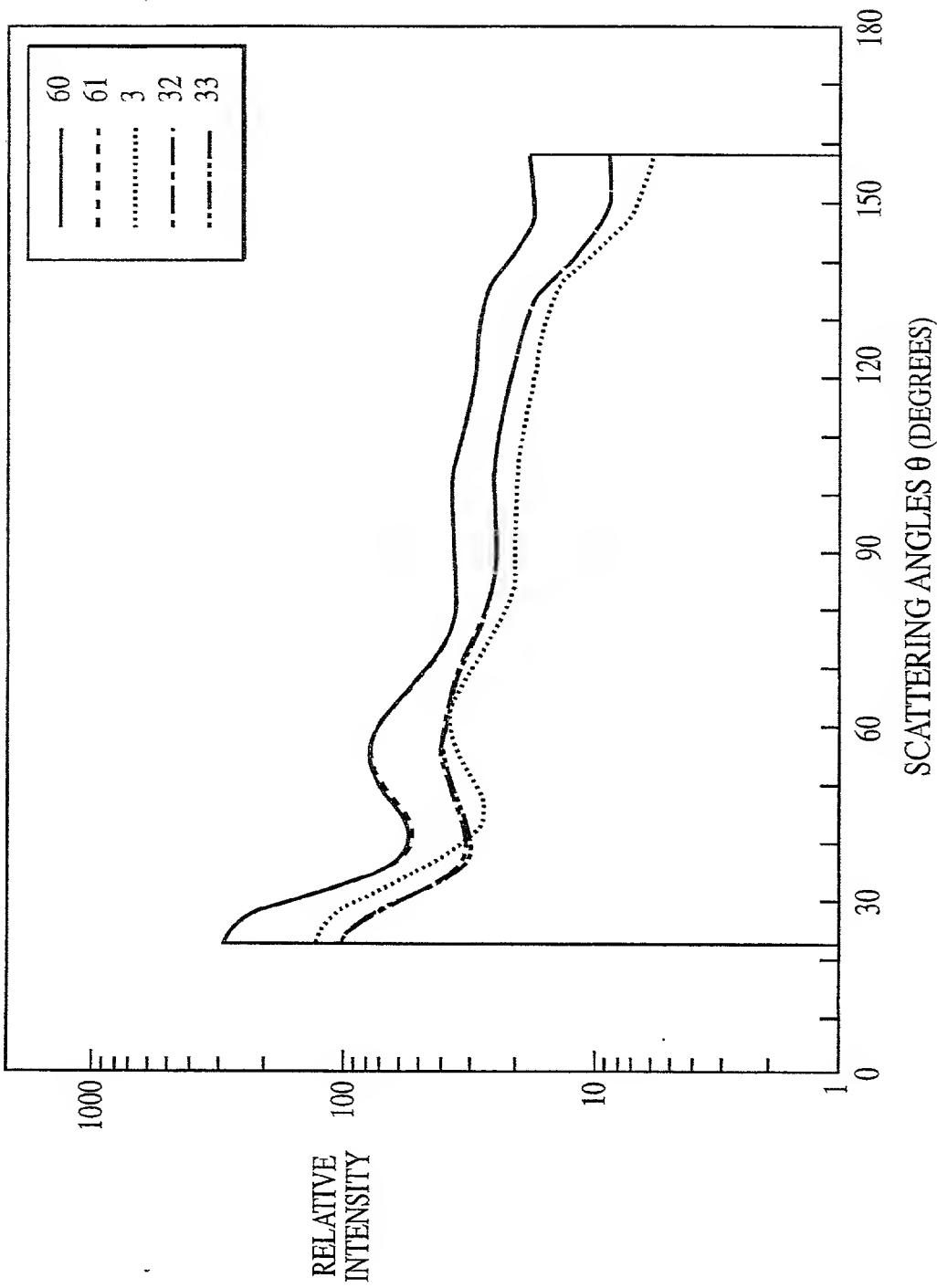


Fig. 10

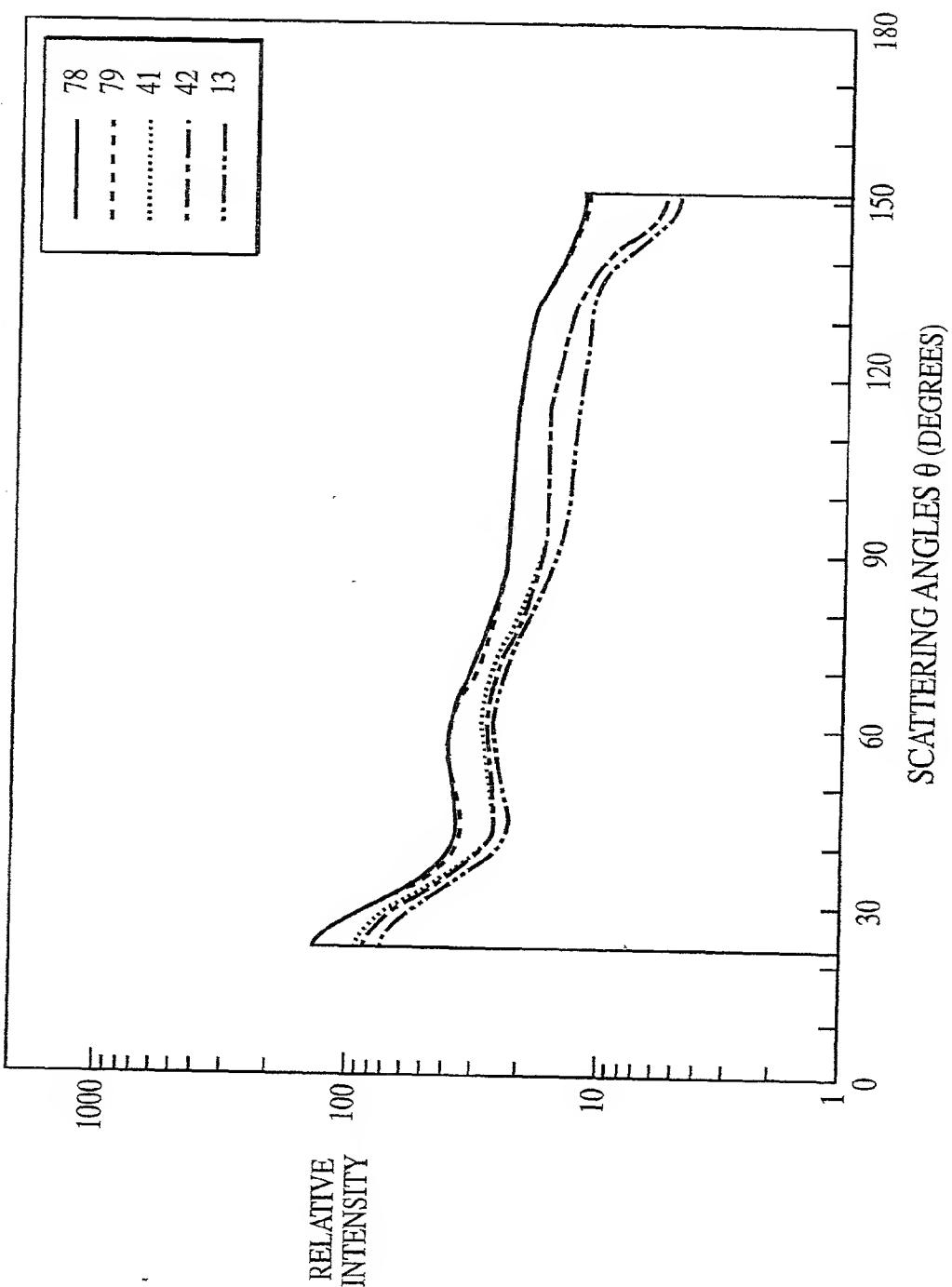


Fig. 11

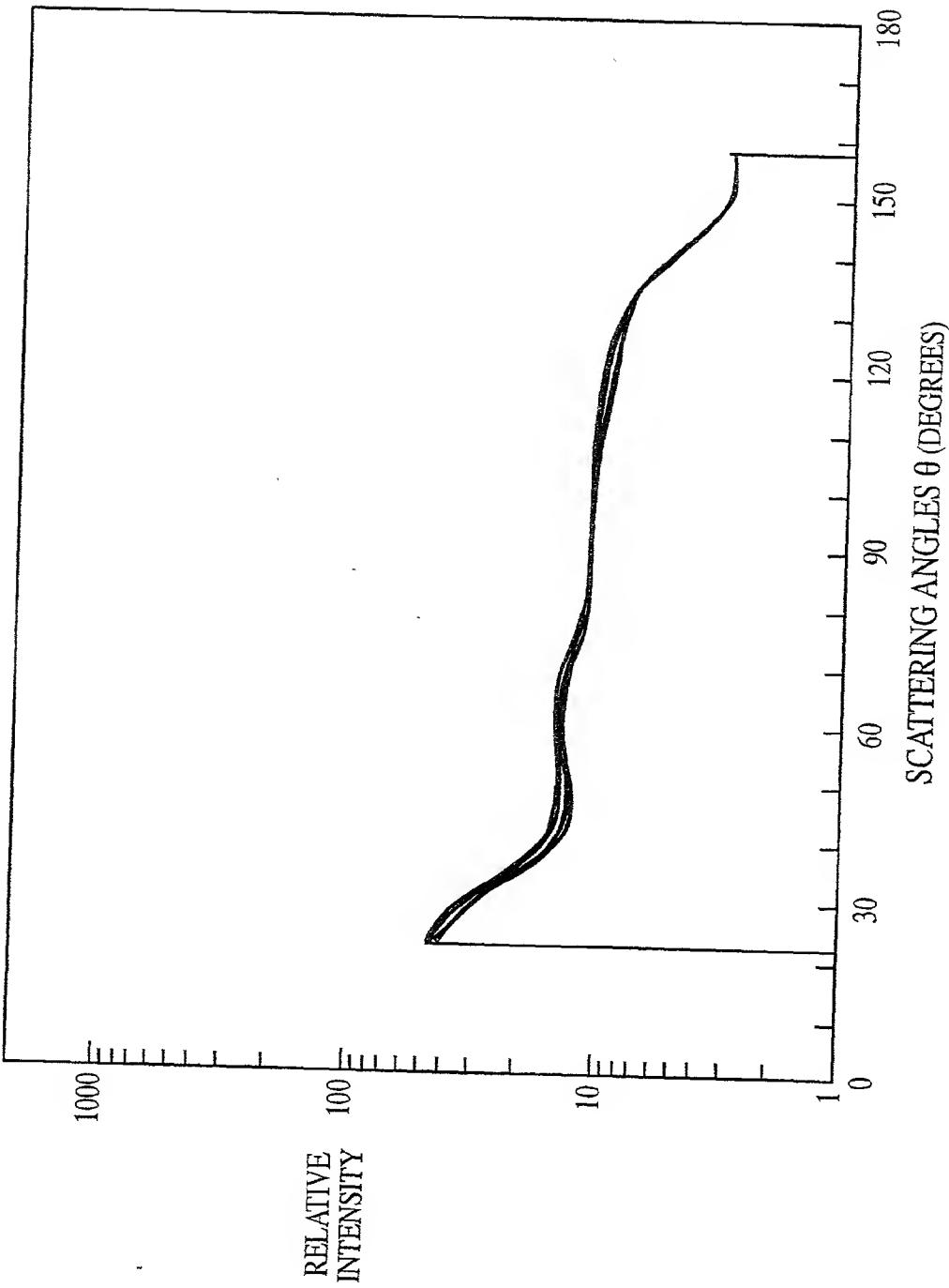


Fig. 12

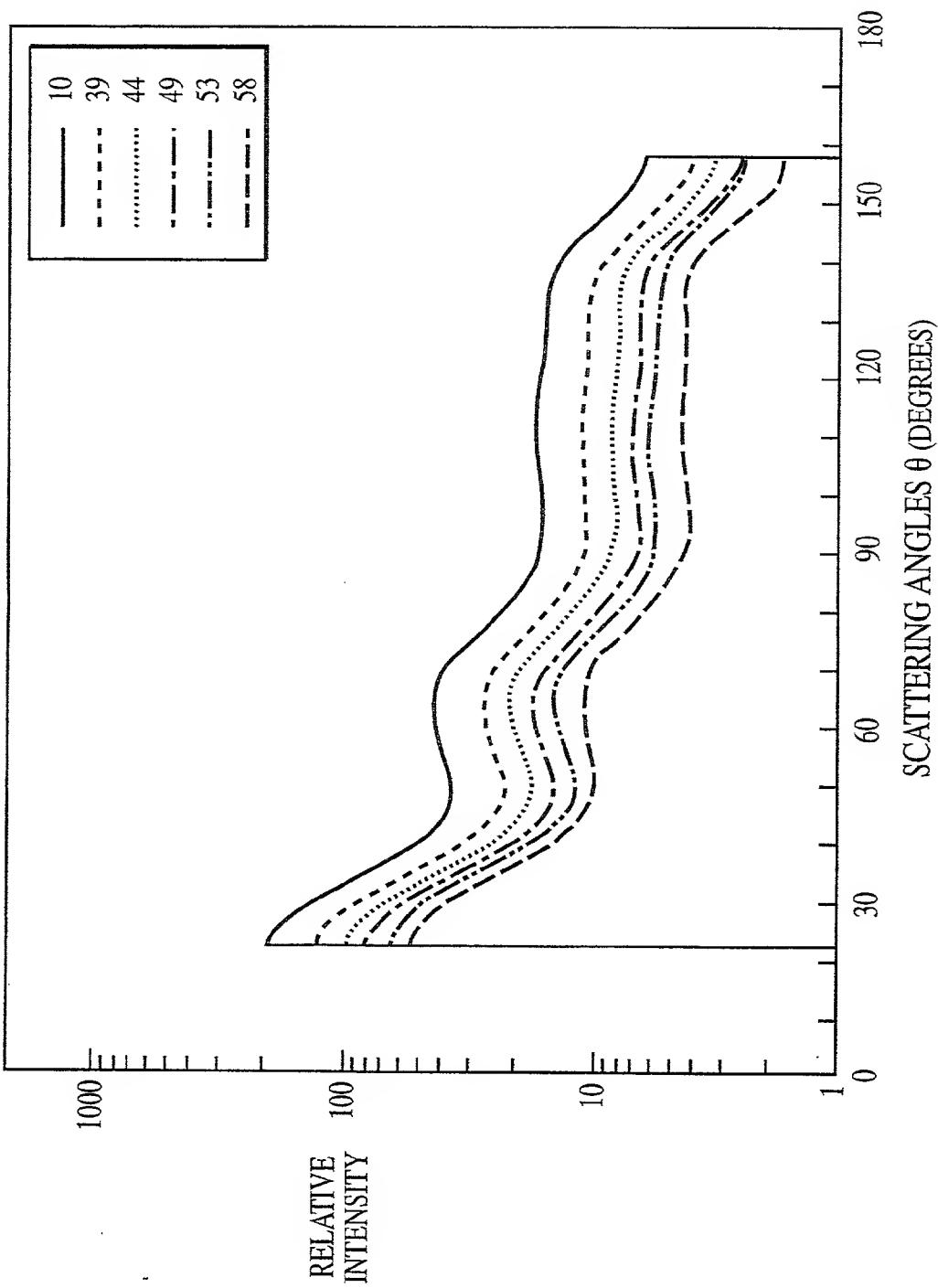


Fig. 13

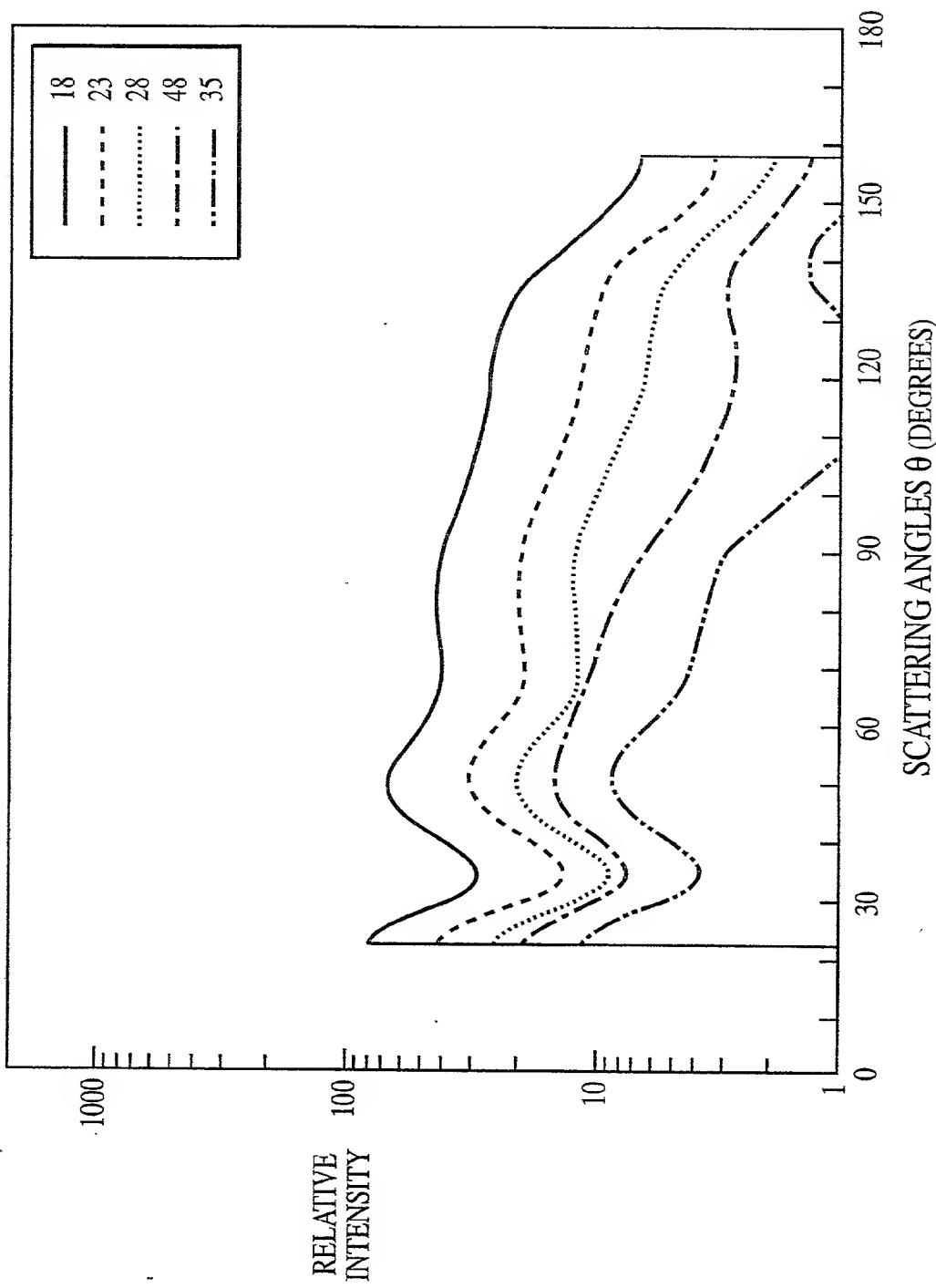


Fig. 14

Replicates of ICF Samples

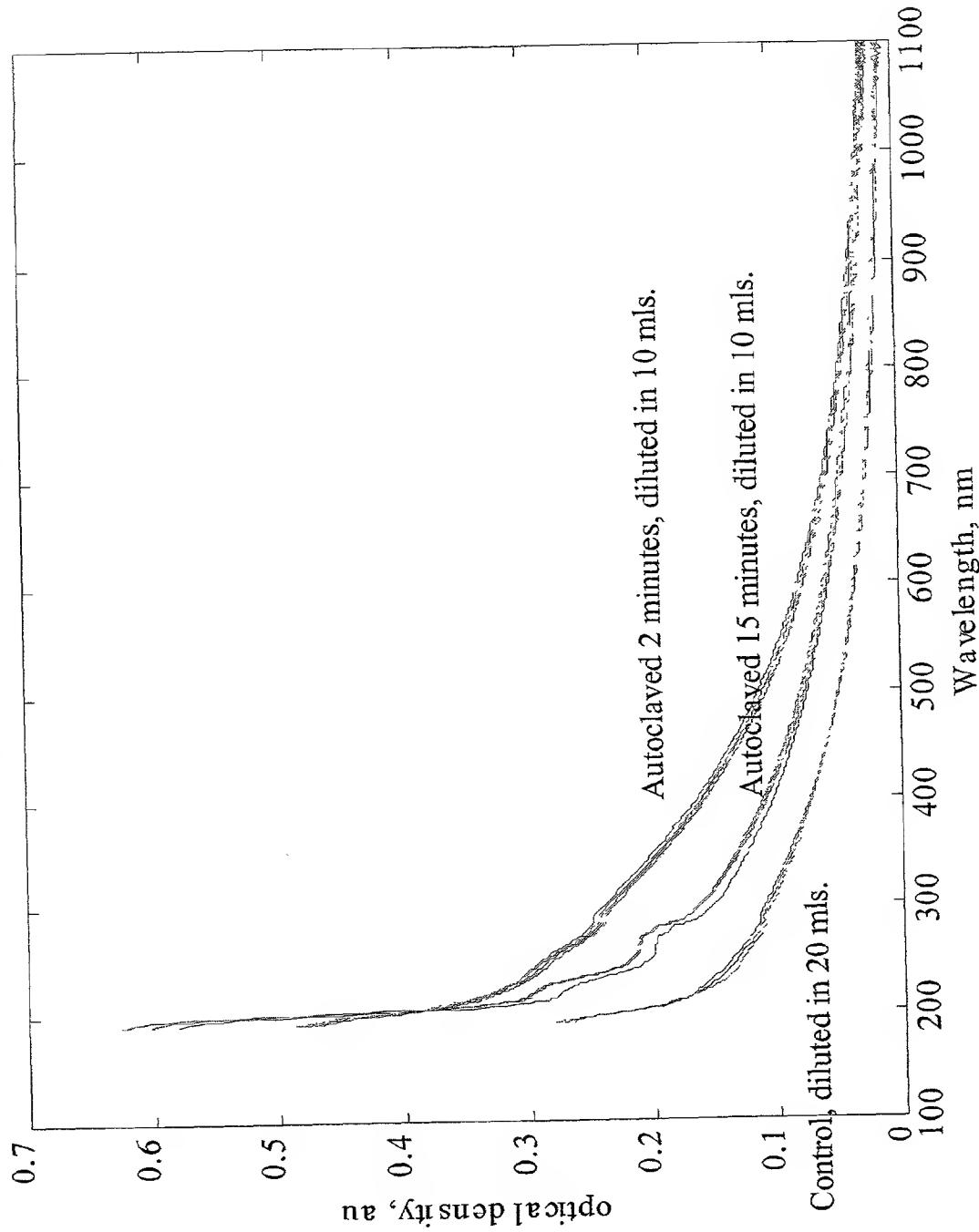


Fig. 15

RESULTS PROBLEM No: Time 2 hours
 ESTIMATES FOR A SINGLE POPULATION
 Mie Average Diameter (cm) = 2.570334E-04 +/- 3.302753E-05
 Concentration (g/mL) meas. = 2.028209E-06
 Concentration (g/mL) calc. = 2.028209E-06 +/- 2.261741E-07
 Particle No (#/mL) = 228110.500000

Residual sum of squares = 5.012901E-05
 Res. sum of squares (Norm) = 2.879399E-01
 Standard Dev. (Residuals) = 3.019001E-04
 Standard Dev. (Norm. Res) = 2.288071E-02

RESULTS PROBLEM No: Time 4 hours
 ESTIMATES FOR A SINGLE POPULATION
 Mie Average Diameter (cm) = 1.969644E-04 +/- 1.826982E-06
 Concentration (g/mL) meas. = 3.055250E-05
 Concentration (g/mL) calc. = 3.055250E-05 +/- 2.933861E-07
 Particle No (#/mL) = 7636334.000000

Residual sum of squares = 5.679470E-03
 Res. sum of squares (Norm) = 2.113989E-01
 Standard Dev. (Residuals) = 3.213458E-03
 Standard Dev. (Norm. Res) = 1.960514E-02

RESULTS PROBLEM No: Time 3 hours
 ESTIMATES FOR A SINGLE POPULATION
 Mie Average Diameter (cm) = 2.672413E-04 +/- 7.599205E-06
 Concentration (g/mL) meas. = 9.346907E-06
 Concentration (g/mL) calc. = 9.346907E-06 +/- 2.200983E-07
 Particle No (#/mL) = 935316.800000

Residual sum of squares = 2.789136E-03
 Res. sum of squares (Norm) = 7.187017E-01
 Standard Dev. (Residuals) = 2.251923E-03
 Standard Dev. (Norm. Res) = 3.614872E-02

RESULTS PROBLEM No: Time 5 hours
 ESTIMATES FOR A SINGLE POPULATION
 Mie Average Diameter (cm) = 1.405828E-04 +/- 1.859756E-06
 Concentration (g/mL) meas. = 2.712445E-05
 Concentration (g/mL) calc. = 2.712445E-05 +/- 4.164035E-07
 Particle No (#/mL) = 1.864516E+07

Residual sum of squares = 9.585535E-04
 Res. sum of squares (Norm) = 8.134952E-02
 Standard Dev. (Residuals) = 1.320161E-03
 Standard Dev. (Norm. Res) = 1.216175E-02

Fig. 16

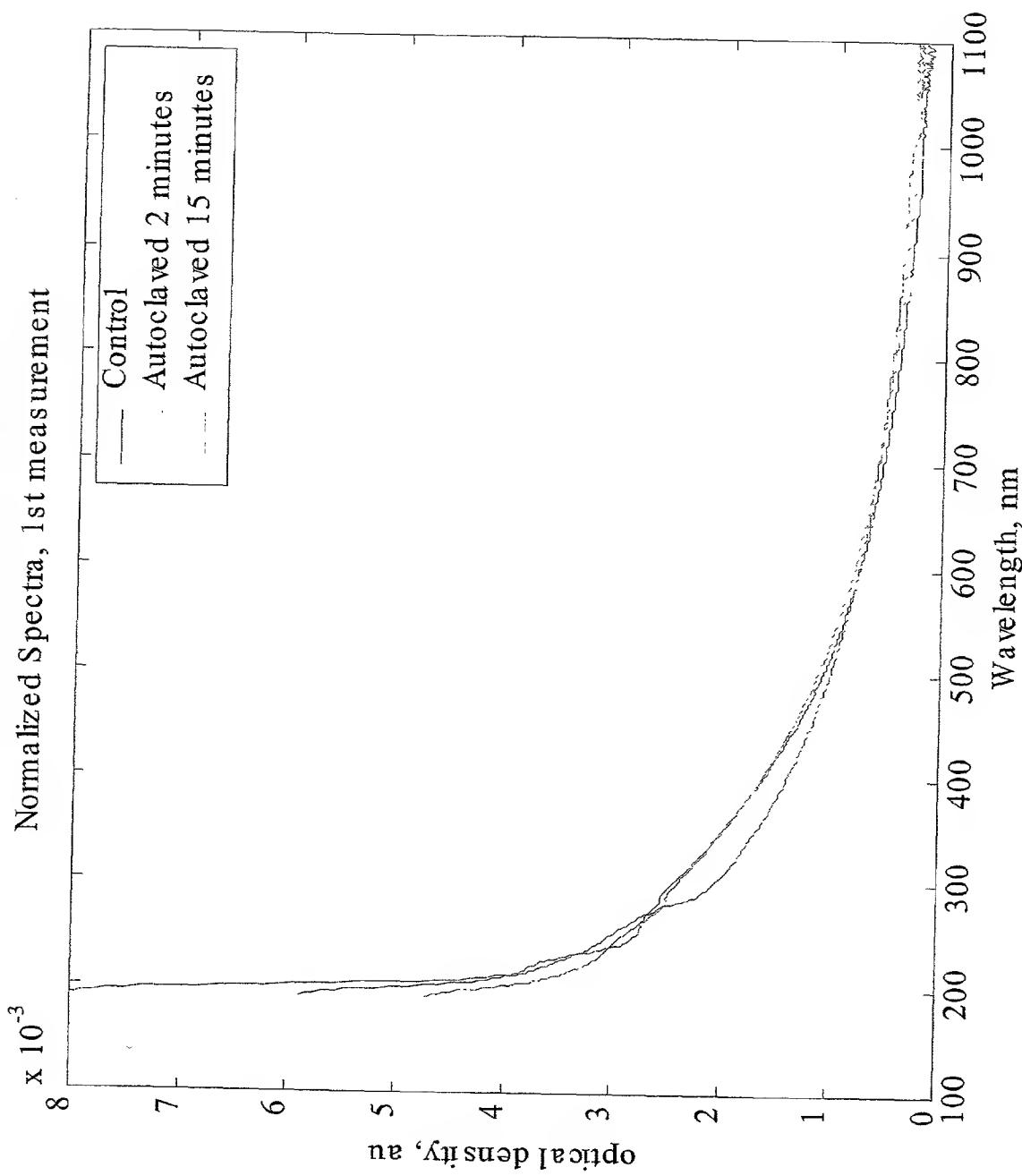
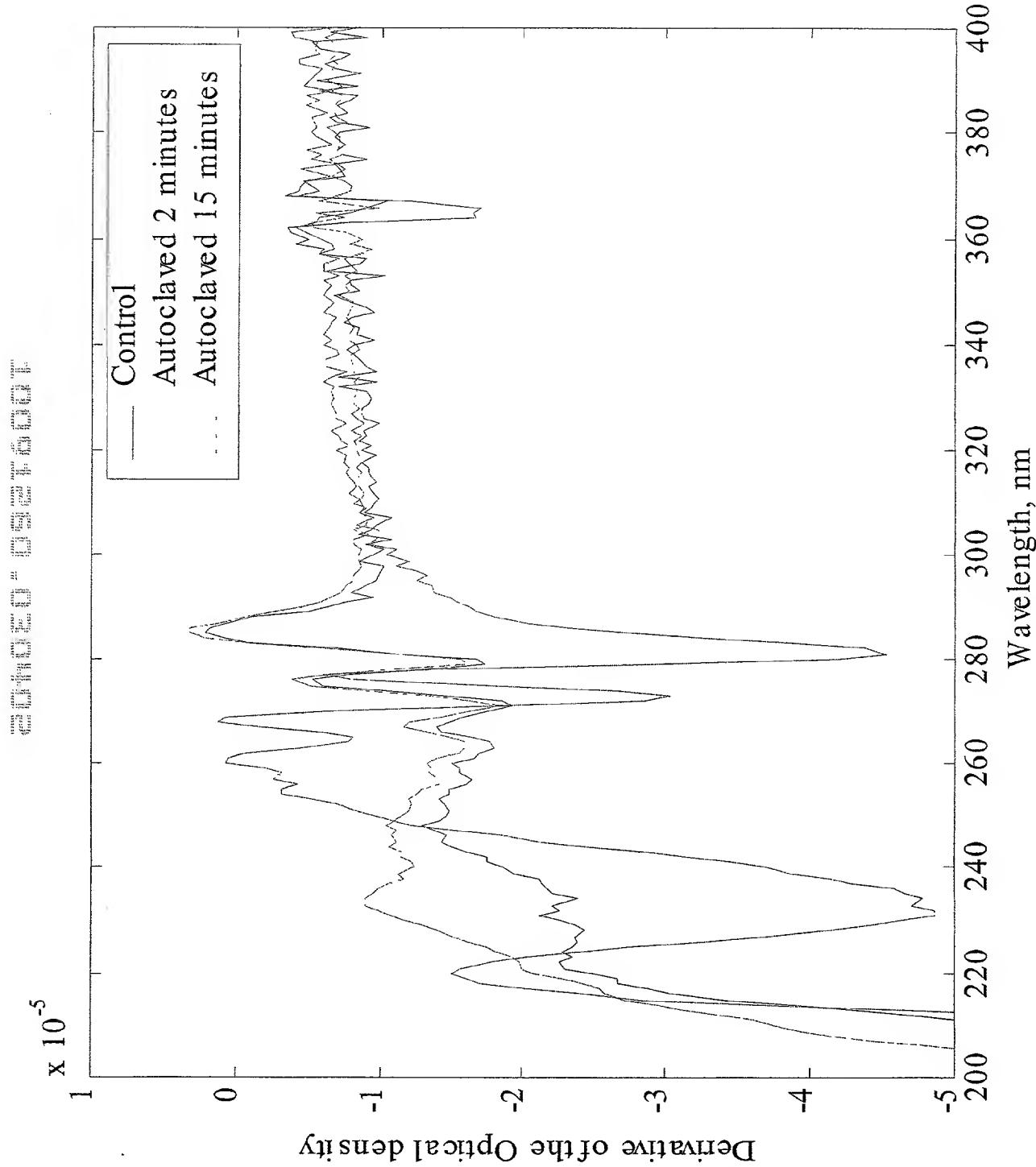
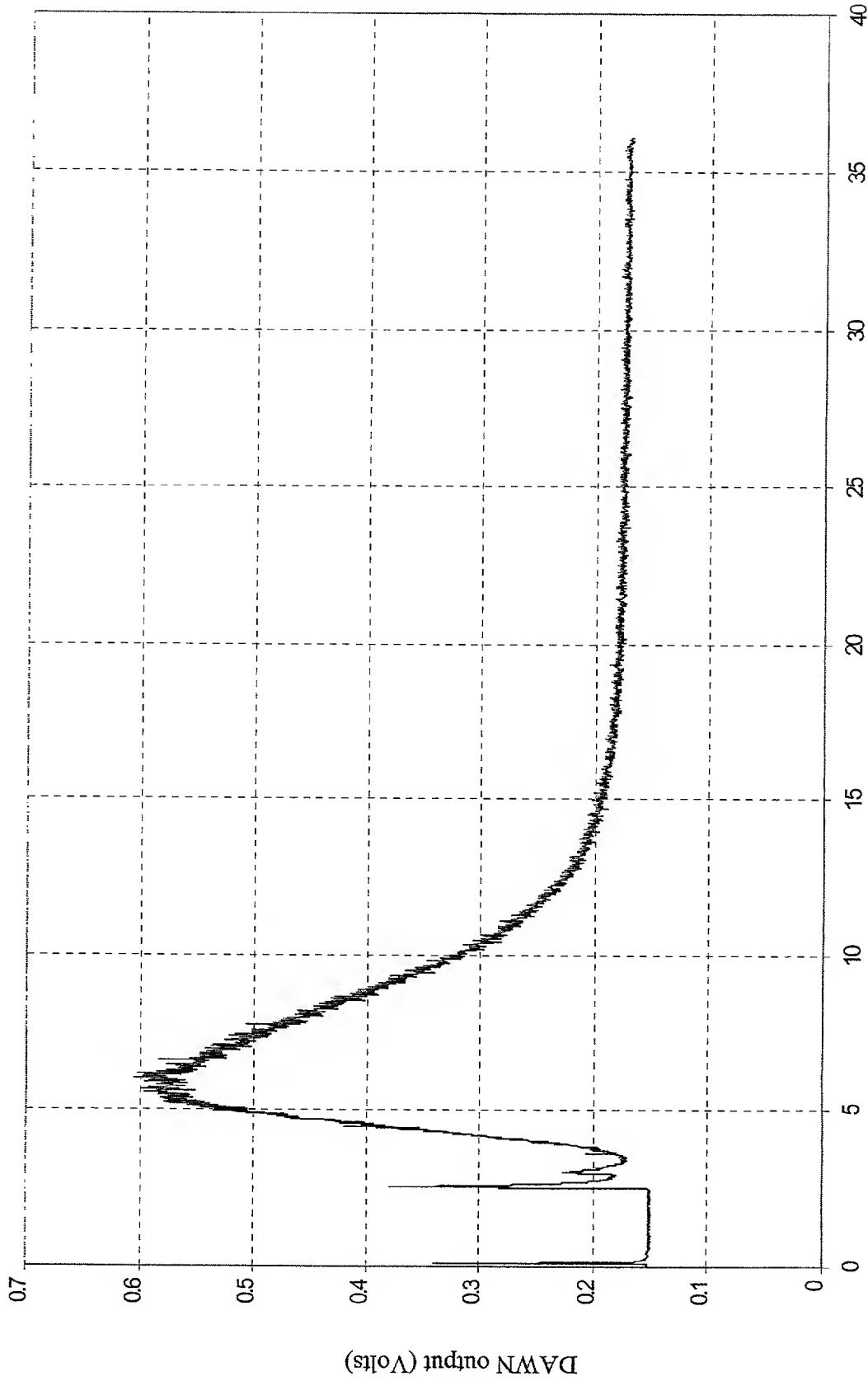


Fig. 17



Elio 18

Fractionation Curve of *B. subtilis* in 0.42% NaCl Solution



Elution Time (min)

Fig. 19

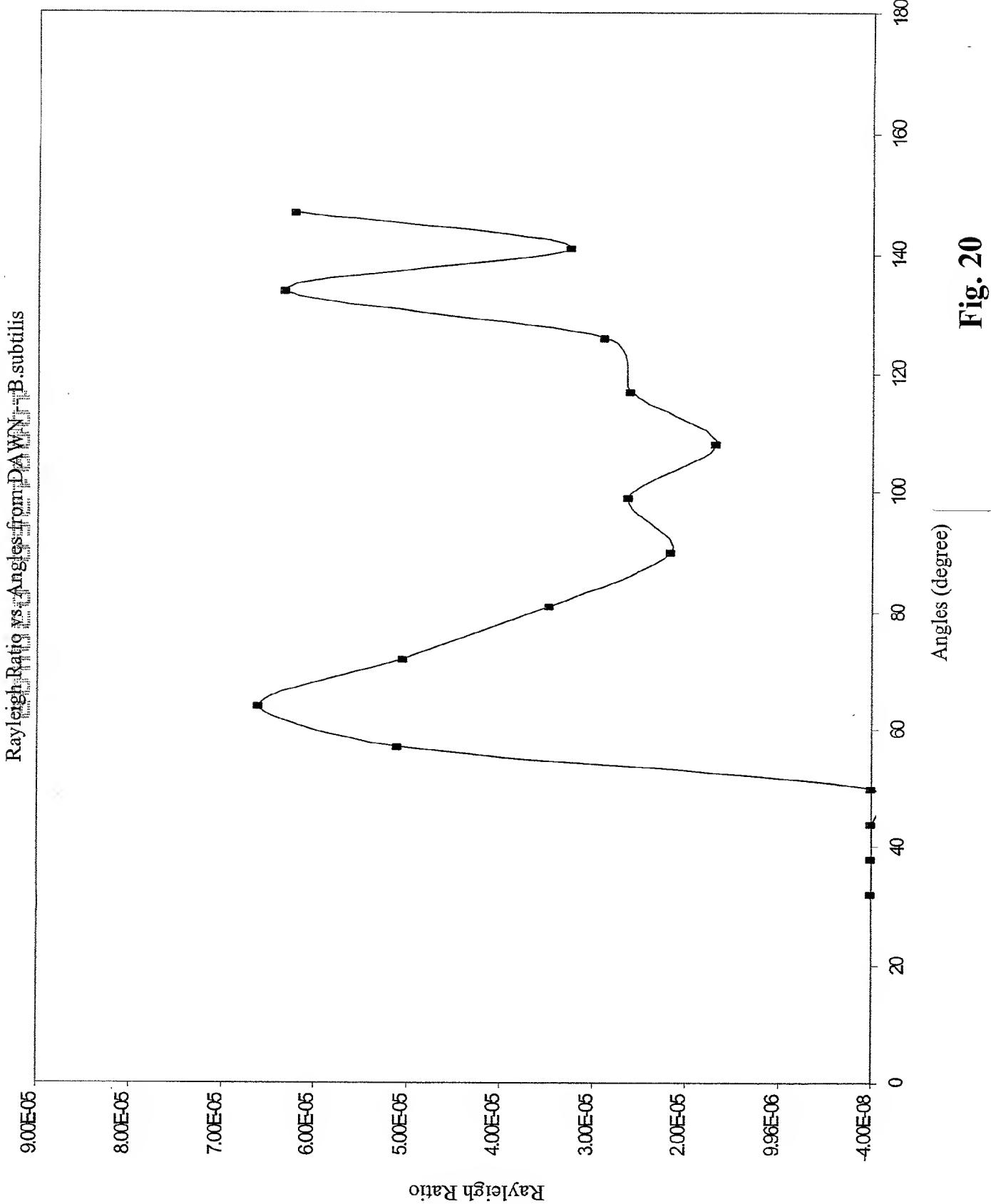


Fig. 20

Polar plot of *B.globigii*

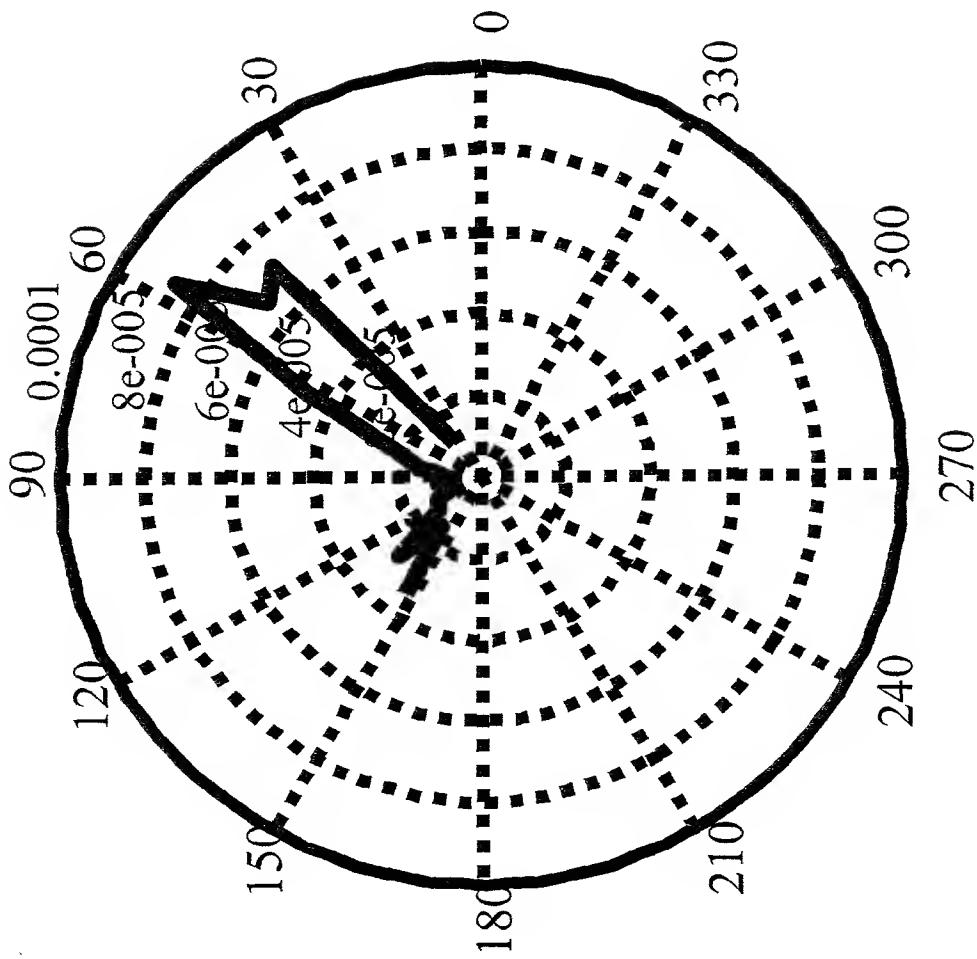


Fig. 21

Polar plot of *B. subtilis*

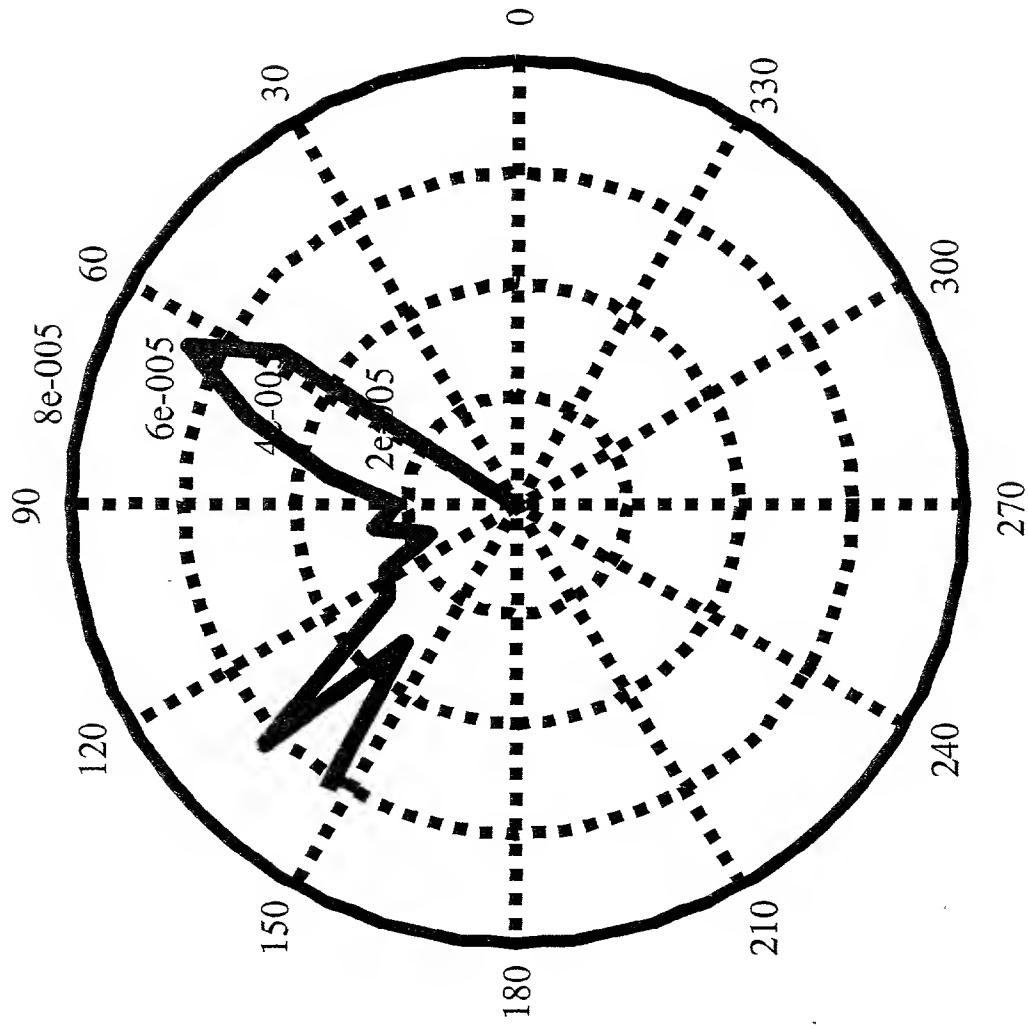


Fig. 22

Title: Methods, Compositions and Kits for Biological Indicator for Sterilization Inventor: Cecil Felkner
Cust. No. 570 Atty. Docket No. 61-2U5

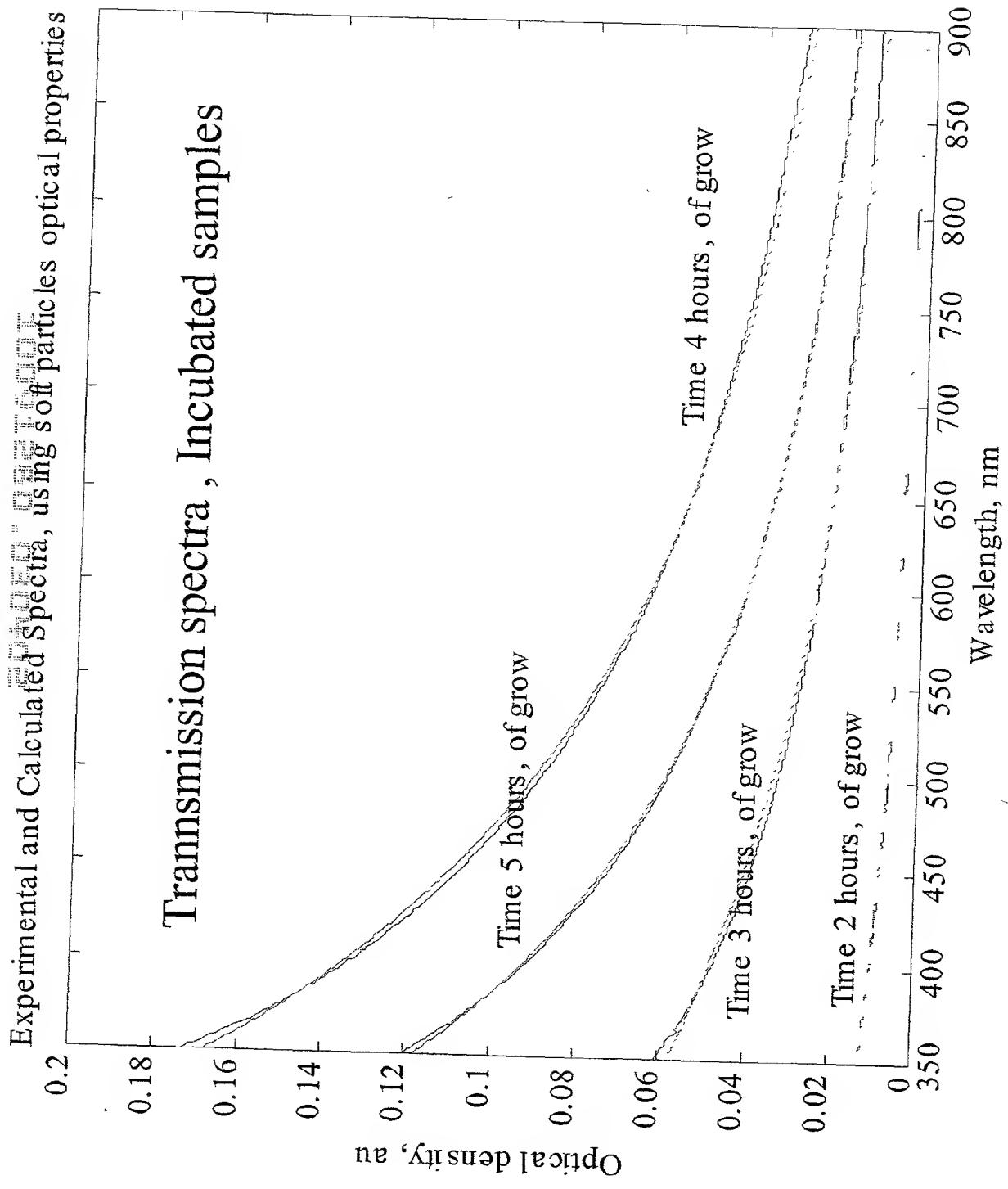


Fig. 23